

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070721\
 Data File : VD069611.D
 Acq On : 07 Jul 2021 16:33
 Operator : VA/SY
 Sample : M2935-02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 08 01:07:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

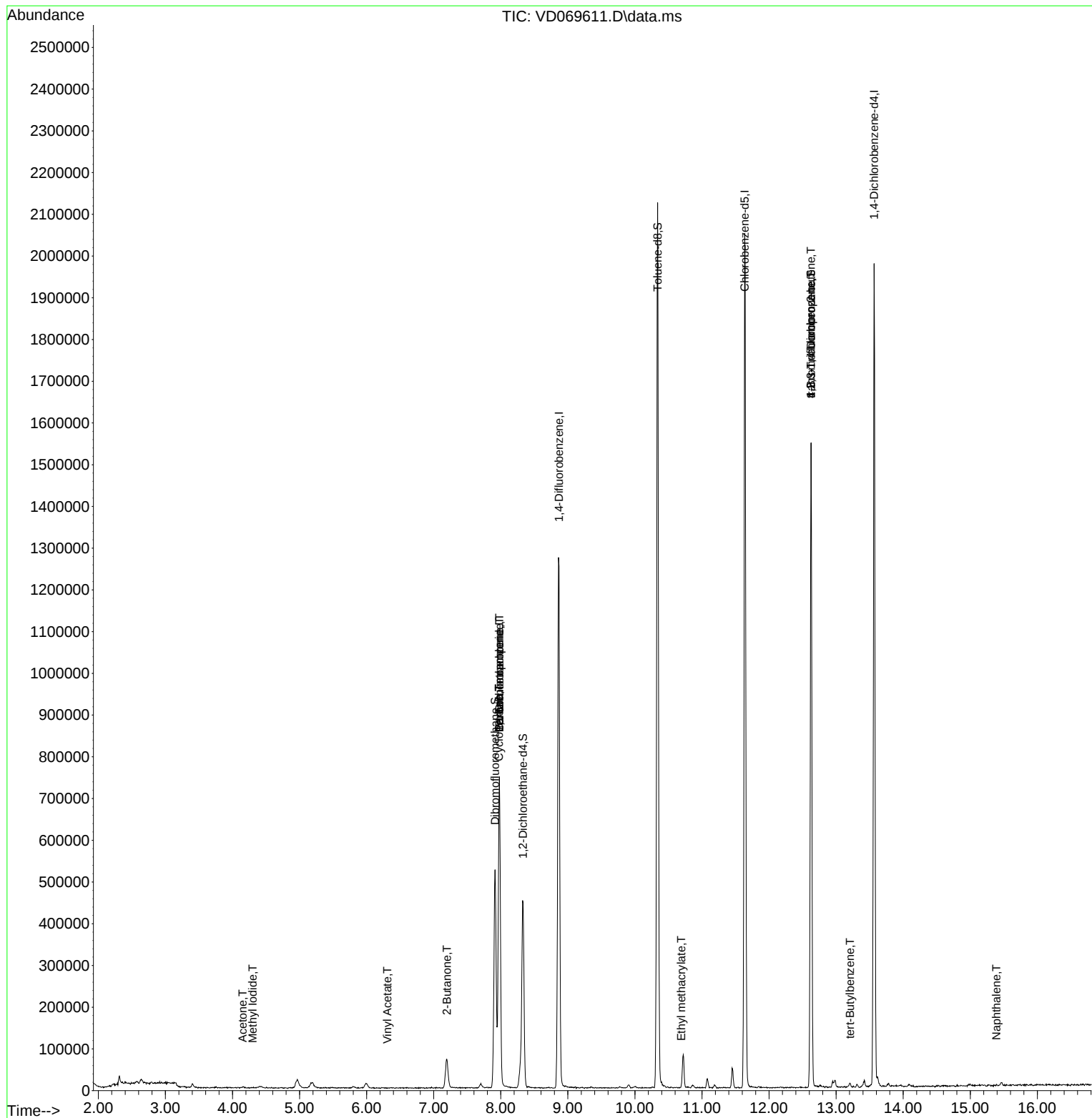
Internal Standards						
1) Pentafluorobenzene	7.979	168	508768	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1090986	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1174552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	503288	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	363504	57.320	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.640%			
35) Dibromofluoromethane	7.914	113	383384	51.985	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.980%			
50) Toluene-d8	10.338	98	1460194	52.786	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.580%			
62) 4-Bromofluorobenzene	12.626	95	517240	56.876	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 113.760%			
Target Compounds					Qvalue	
5) Bromomethane	2.791	94	1336	Below Cal	#	74
10) Methyl Iodide	4.303	142	482	4.024	ug/l #	39
11) Tert butyl alcohol	5.167	59	14247	Below Cal	#	84
16) Acetone	4.150	43	3760	3.523	ug/l	90
18) Methyl Acetate	4.709	43	94	Below Cal	#	49
20) Methylene Chloride	4.973	84	15233	Below Cal		86
23) Vinyl Acetate	6.309	43	78	19.019	ug/l #	70
25) 2-Butanone	7.197	43	3961	2.920	ug/l #	73
31) Cyclohexane	7.973	56	12806	1.500	ug/l #	8
36) 1,1-Dichloropropene	7.979	75	47472	4.434	ug/l #	50
38) Carbon Tetrachloride	7.979	117	57283	5.406	ug/l #	18
56) Ethyl methacrylate	10.691	69	111	2.597	ug/l #	63
76) 1,2,3-Trichloropropane	12.626	75	261378	52.906	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	261378	132.099	ug/l #	12
83) tert-Butylbenzene	13.208	119	415	2.007	ug/l #	1
95) Naphthalene	15.390	128	903	3.408	ug/l #	69

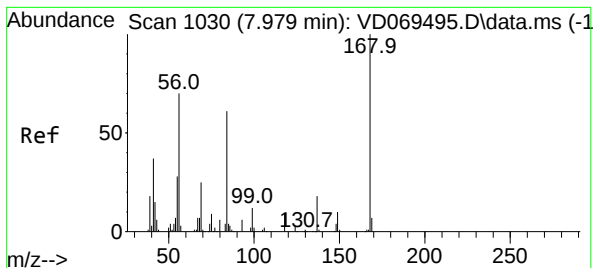
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 22 04:33:24 2021
Response via : Initial Calibration

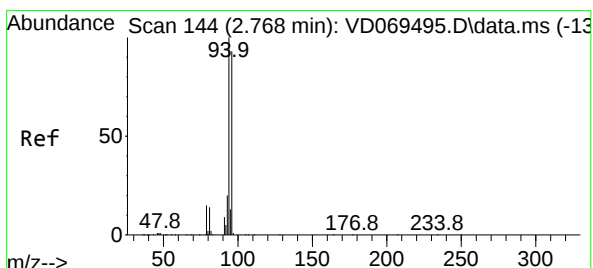
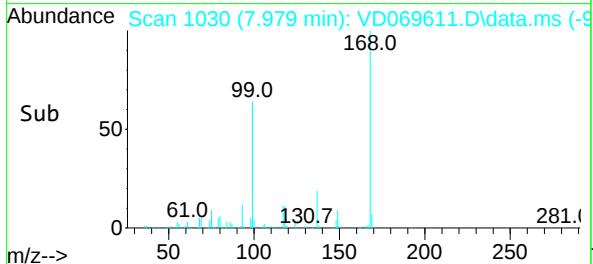
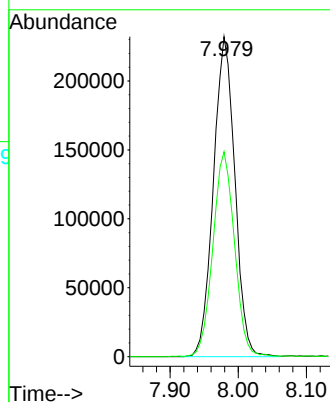
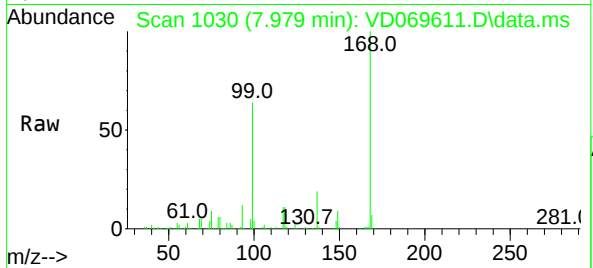




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069611.D
Acq: 07 Jul 2021 16:33

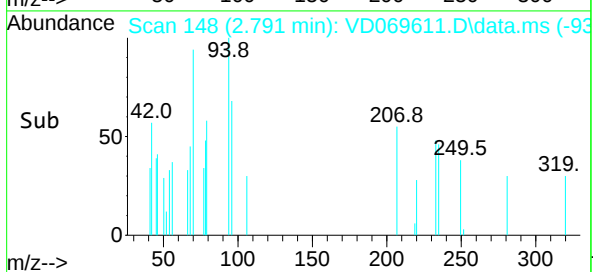
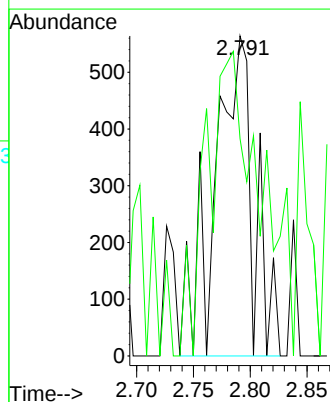
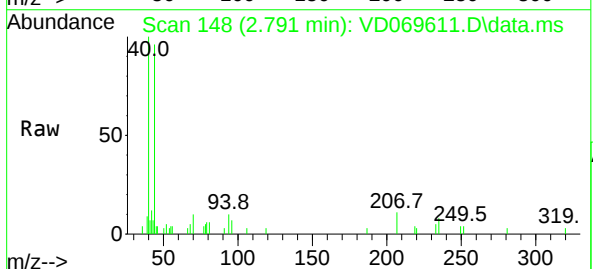
Instrument :
MSVOA_D
ClientSampleId :

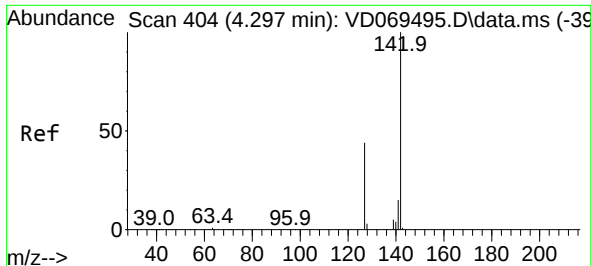
Tgt Ion:168 Resp: 508768
Ion Ratio Lower Upper
168 100
99 63.9 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.023 min
Lab File: VD069611.D
Acq: 07 Jul 2021 16:33

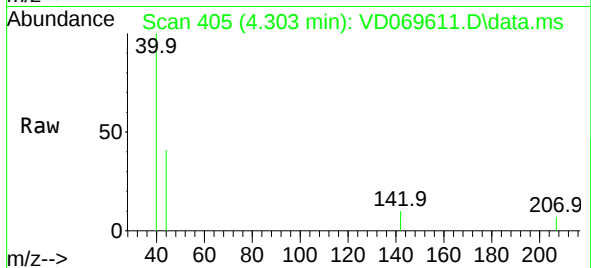
Tgt Ion: 94 Resp: 1336
Ion Ratio Lower Upper
94 100
96 67.9 74.6 111.8#



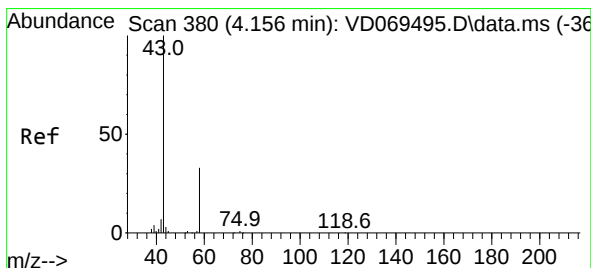
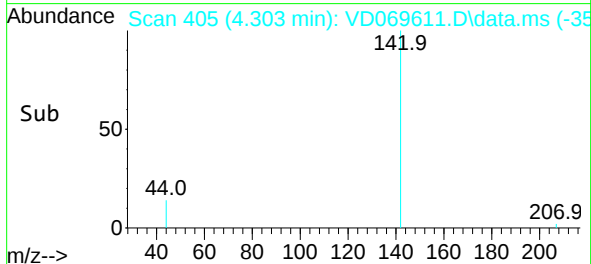
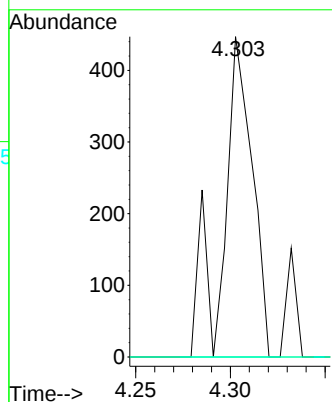


#10
Methyl Iodide
Concen: 4.024 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069611.D
Acq: 07 Jul 2021 16:33

Instrument :
MSVOA_D
ClientSampled :

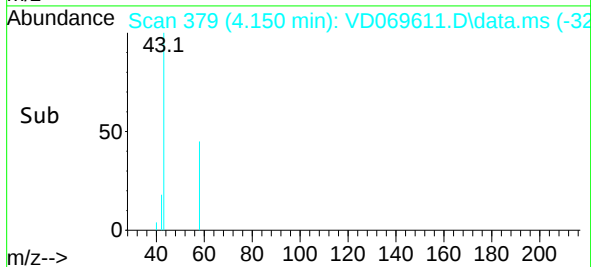
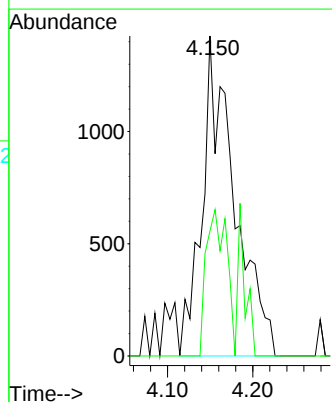
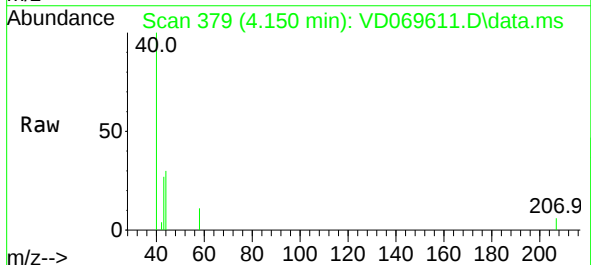


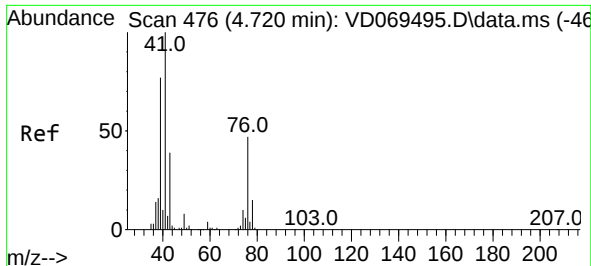
Tgt Ion:142 Resp: 482
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#



#16
Acetone
Concen: 3.523 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD069611.D
Acq: 07 Jul 2021 16:33

Tgt Ion: 43 Resp: 3760
Ion Ratio Lower Upper
43 100
58 39.1 26.8 40.2

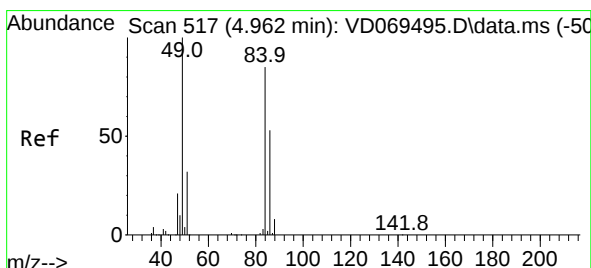
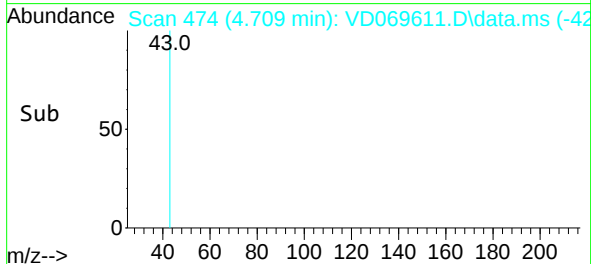
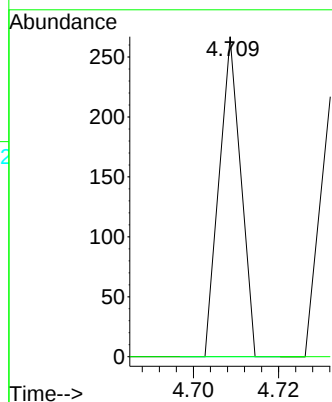
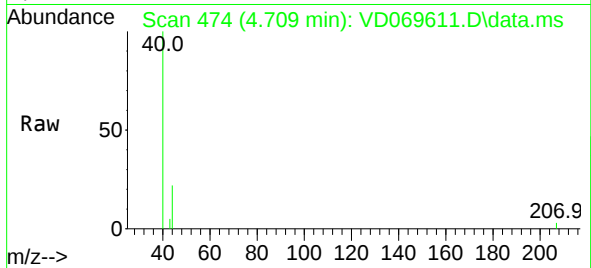




#18
Methyl Acetate
Concen: Below Cal
RT: 4.709 min Scan# 474
Delta R.T. -0.011 min
Lab File: VD069611.D
Acq: 07 Jul 2021 16:33

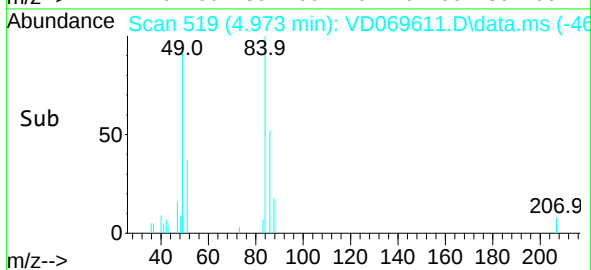
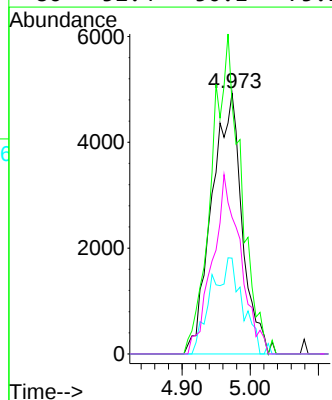
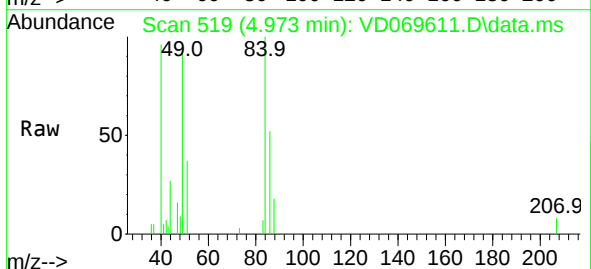
Instrument :
MSVOA_D
ClientSampled :

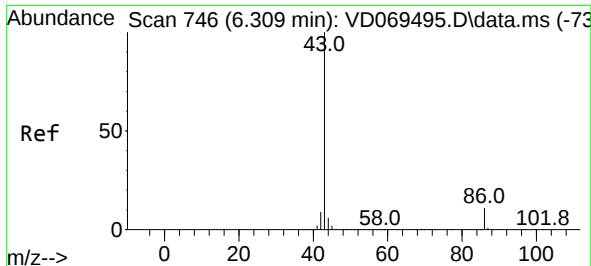
Tgt Ion: 43 Resp: 94
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD069611.D
Acq: 07 Jul 2021 16:33

Tgt Ion: 84 Resp: 15233
Ion Ratio Lower Upper
84 100
49 96.2 94.0 141.0
51 36.8 29.7 44.5
86 52.4 50.1 75.1

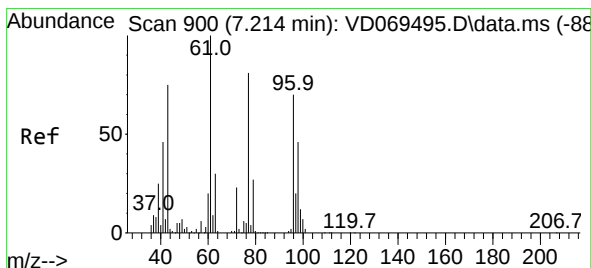
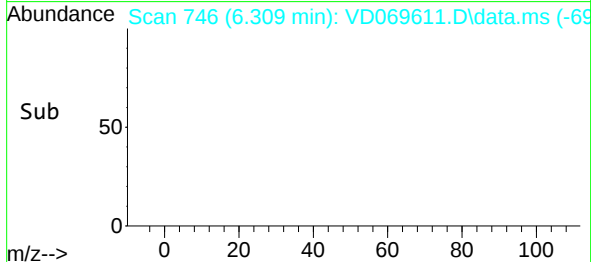
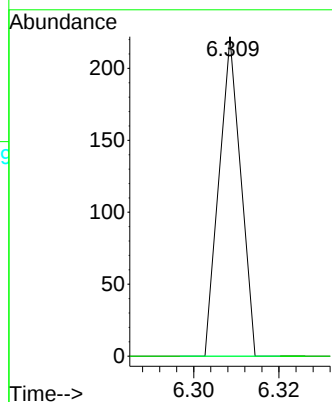
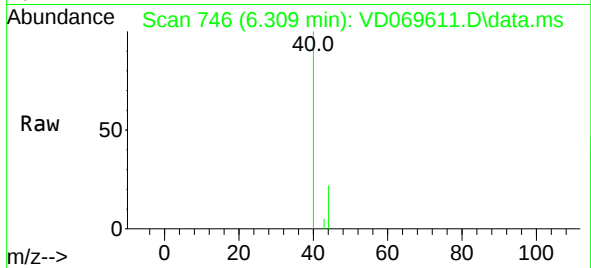




#23
 Vinyl Acetate
 Concen: 19.019 ug/l
 RT: 6.309 min Scan# 746
 Delta R.T. -0.000 min
 Lab File: VD069611.D
 Acq: 07 Jul 2021 16:33

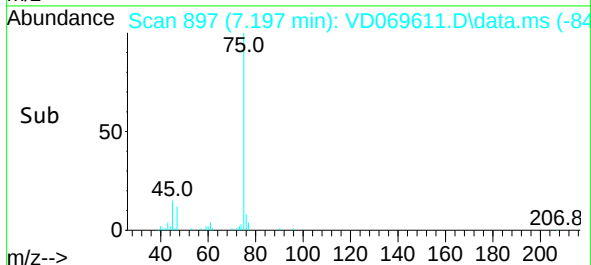
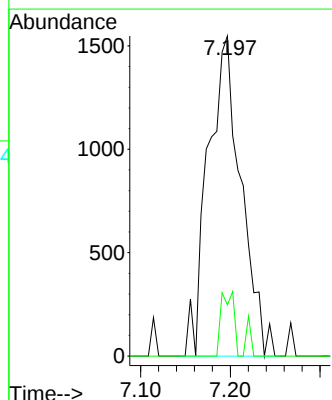
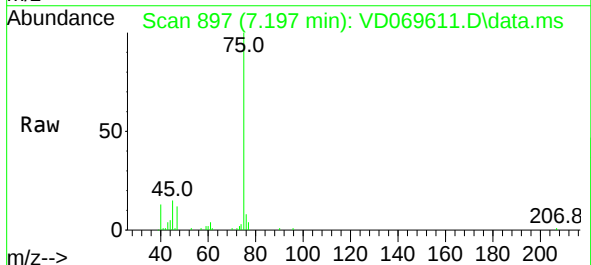
Instrument :
 MSVOA_D
 ClientSampled :

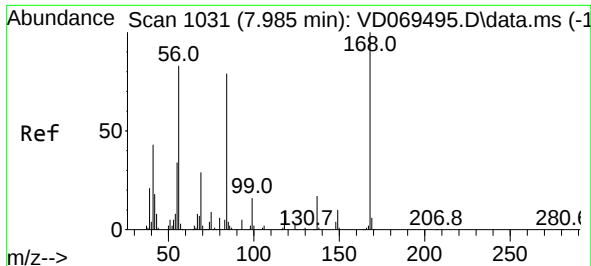
Tgt Ion: 43 Resp: 78
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#25
 2-Butanone
 Concen: 2.920 ug/l
 RT: 7.197 min Scan# 897
 Delta R.T. -0.018 min
 Lab File: VD069611.D
 Acq: 07 Jul 2021 16:33

Tgt Ion: 43 Resp: 3961
 Ion Ratio Lower Upper
 43 100
 72 16.0 24.3 36.5#

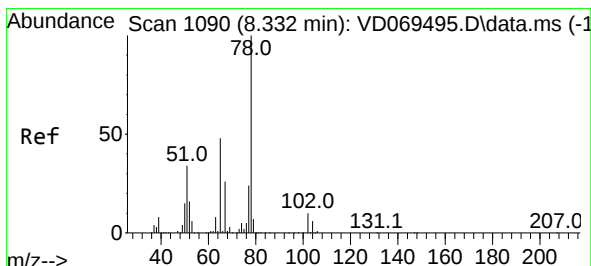
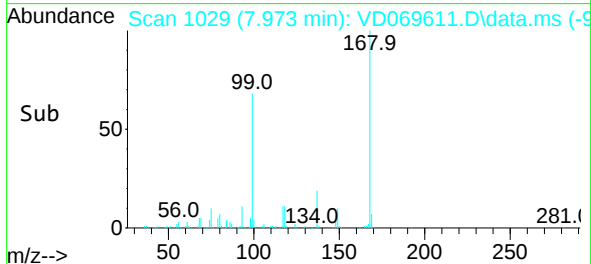
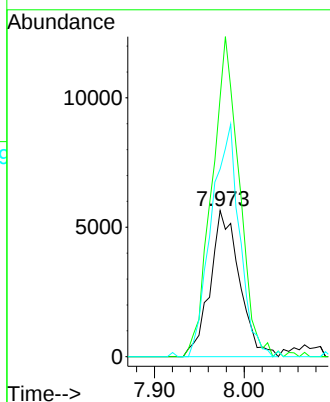
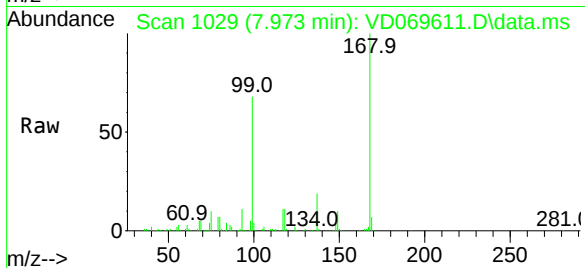




#31
Cyclohexane
Concen: 1.500 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069611.D
Acq: 07 Jul 2021 16:33

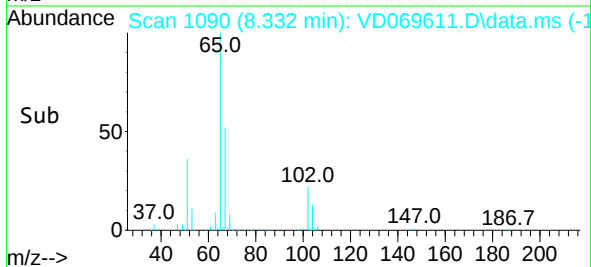
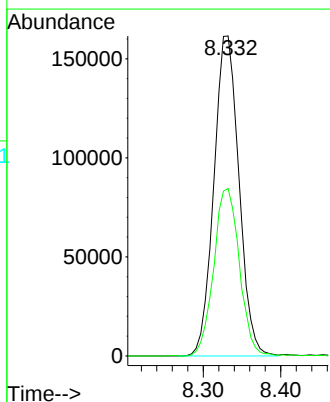
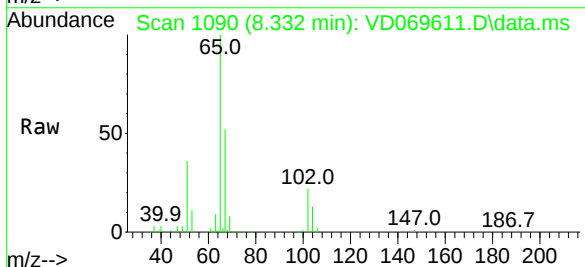
Instrument :
MSVOA_D
ClientSampleId :

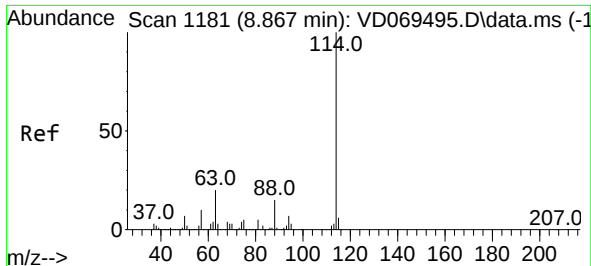
Tgt Ion: 56 Resp: 12806
Ion Ratio Lower Upper
56 100
69 177.5 28.0 42.0#
84 128.5 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 57.320 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069611.D
Acq: 07 Jul 2021 16:33

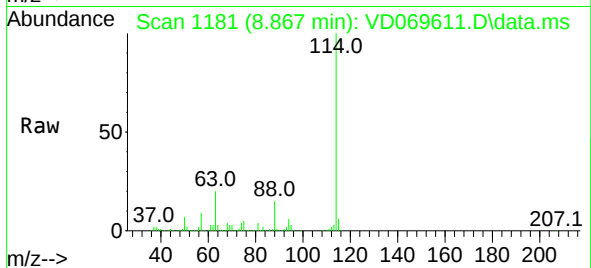
Tgt Ion: 65 Resp: 363504
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.6



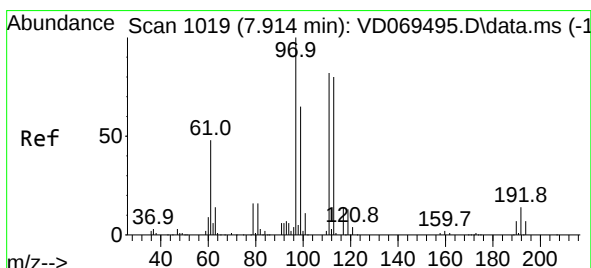
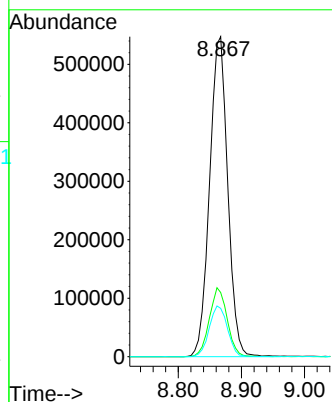
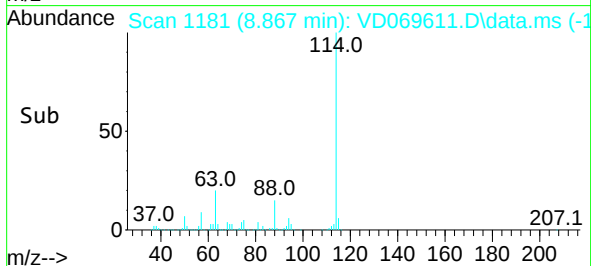


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069611.D
Acq: 07 Jul 2021 16:33

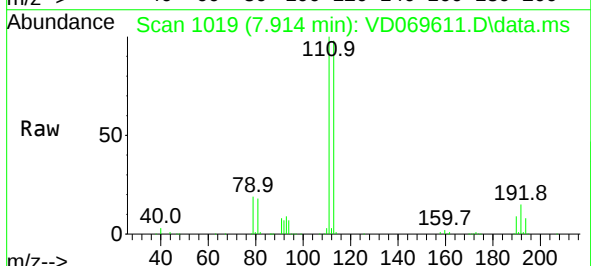
Instrument :
MSVOA_D
ClientSampleId :



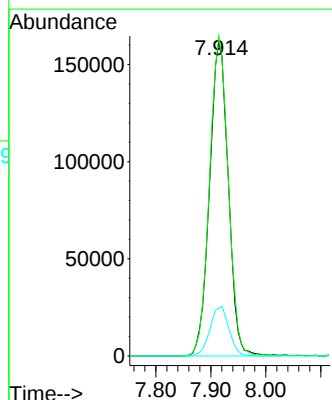
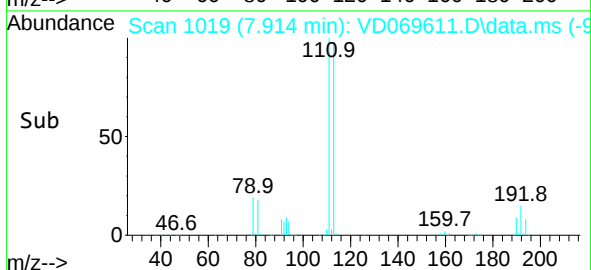
Tgt Ion:114 Resp: 1090986
Ion Ratio Lower Upper
114 100
63 20.0 0.0 39.6
88 15.1 0.0 29.8

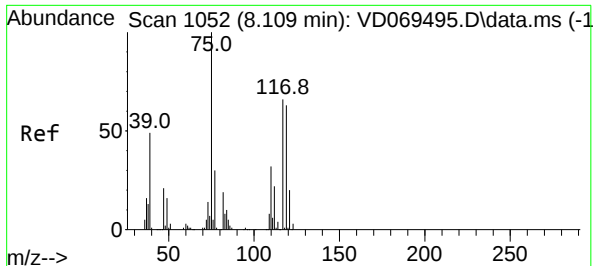


#35
Dibromofluoromethane
Concen: 51.985 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069611.D
Acq: 07 Jul 2021 16:33



Tgt Ion:113 Resp: 383384
Ion Ratio Lower Upper
113 100
111 101.7 81.8 122.8
192 16.0 13.8 20.6

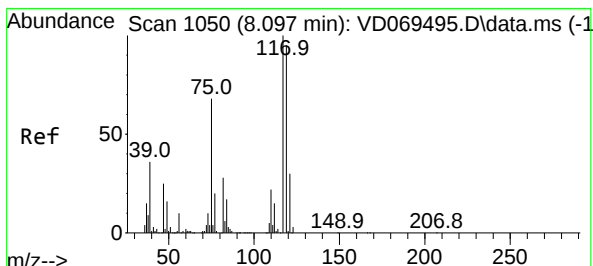
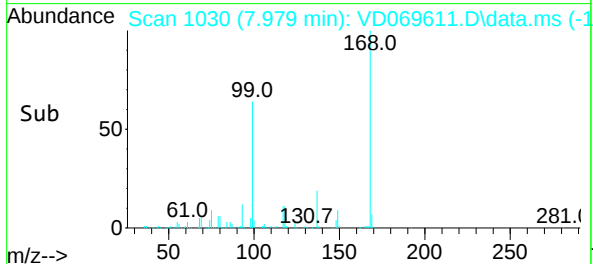
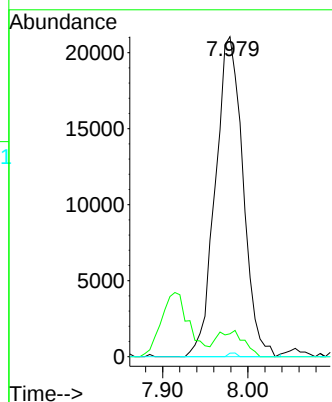
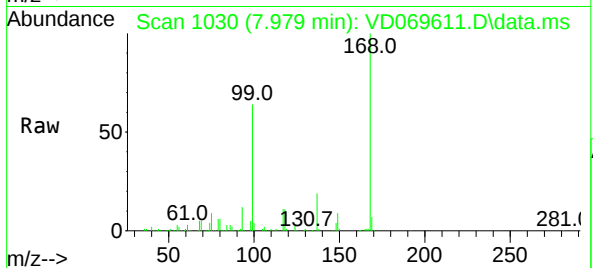




#36
1,1-Dichloropropene
Concen: 4.434 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069611.D
Acq: 07 Jul 2021 16:33

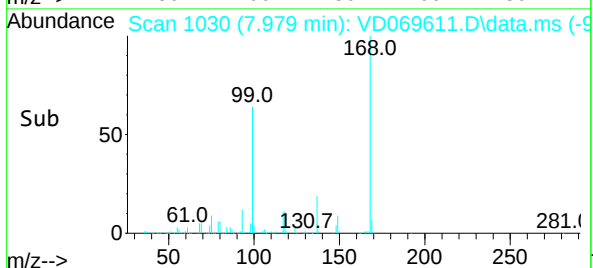
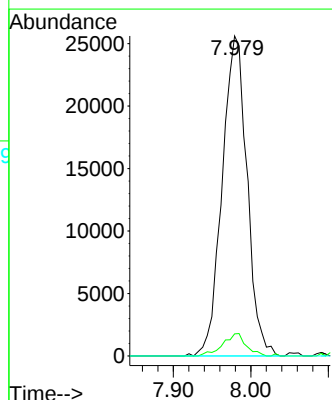
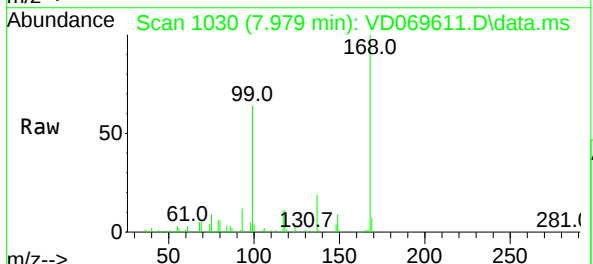
Instrument :
MSVOA_D
ClientSampled :

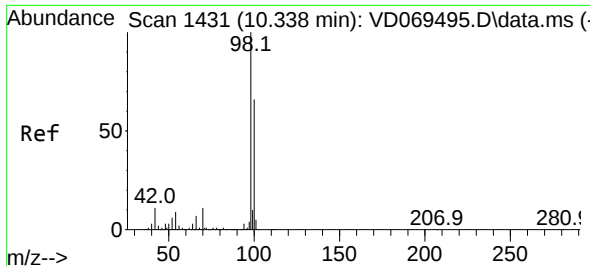
Tgt Ion: 75 Resp: 47472
Ion Ratio Lower Upper
75 100
110 7.8 16.8 50.4#
77 0.4 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.406 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069611.D
Acq: 07 Jul 2021 16:33

Tgt Ion: 117 Resp: 57283
Ion Ratio Lower Upper
117 100
119 6.9 75.6 113.4#
121 0.0 23.8 35.8#

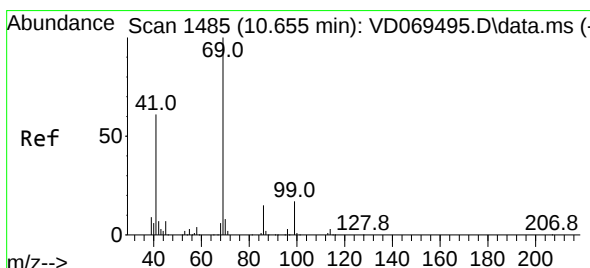
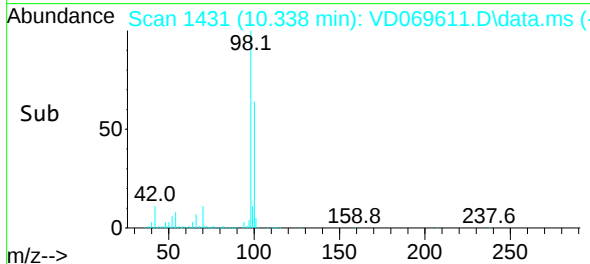
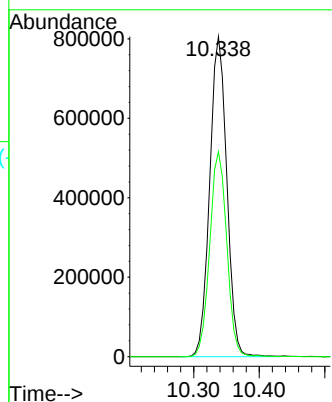
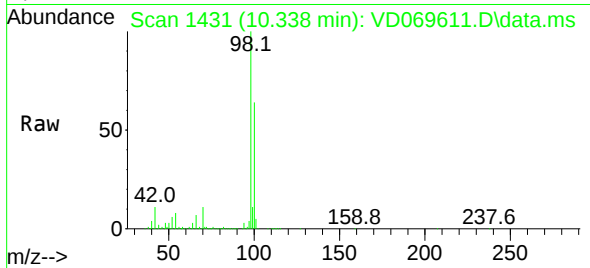




#50
Toluene-d8
Concen: 52.786 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069611.D
Acq: 07 Jul 2021 16:33

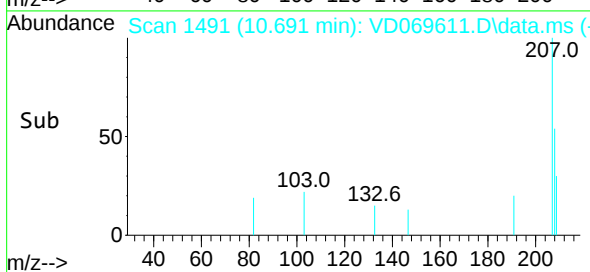
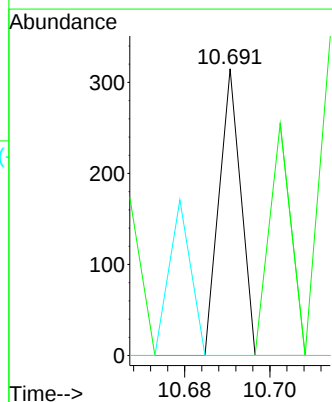
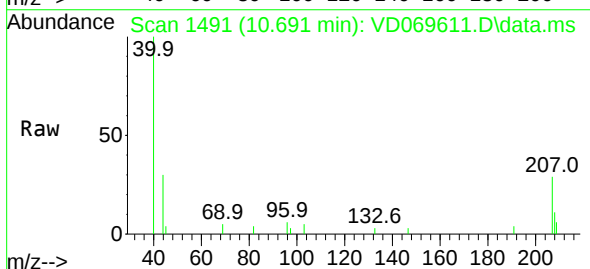
Instrument :
MSVOA_D
ClientSampled :

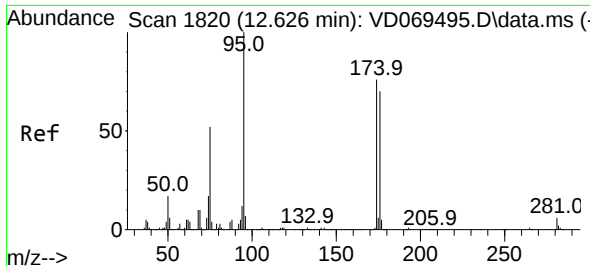
Tgt Ion: 98 Resp: 1460194
Ion Ratio Lower Upper
98 100
100 63.8 52.3 78.5



#56
Ethyl methacrylate
Concen: 2.597 ug/l
RT: 10.691 min Scan# 1491
Delta R.T. 0.036 min
Lab File: VD069611.D
Acq: 07 Jul 2021 16:33

Tgt Ion: 69 Resp: 111
Ion Ratio Lower Upper
69 100
41 81.1 49.4 74.0#
39 0.0 26.9 40.3#

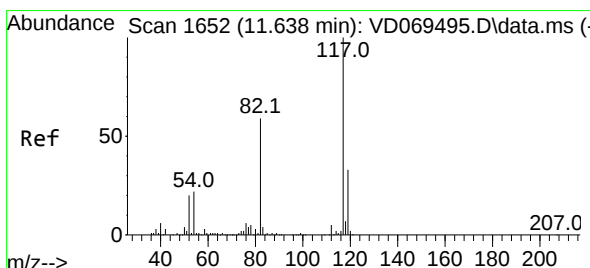
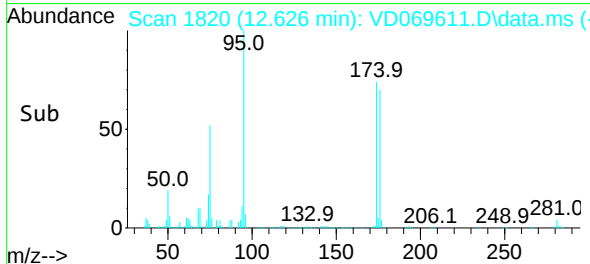
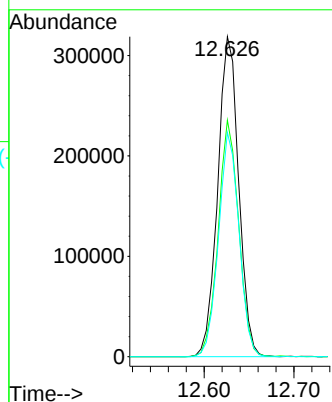
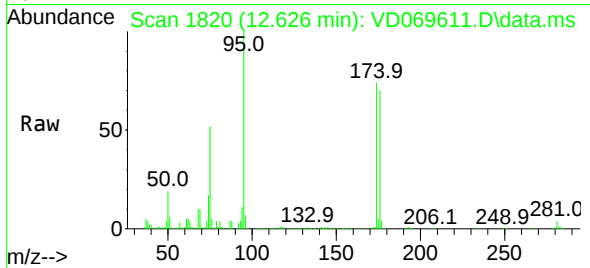




#62
4-Bromofluorobenzene
Concen: 56.876 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069611.D
Acq: 07 Jul 2021 16:33

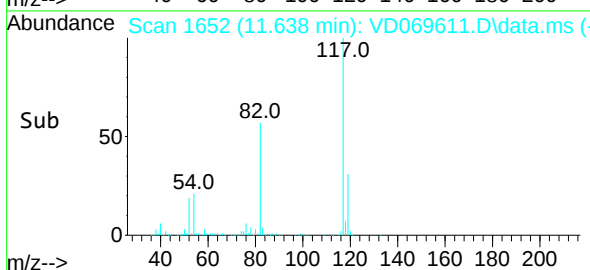
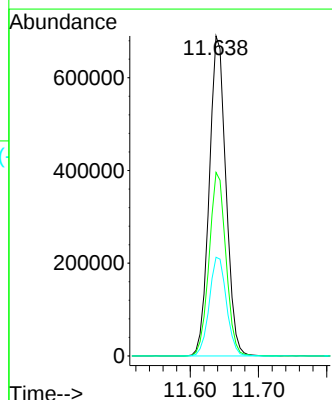
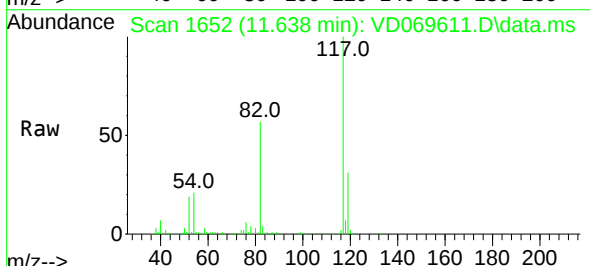
Instrument :
MSVOA_D
ClientSampleId :

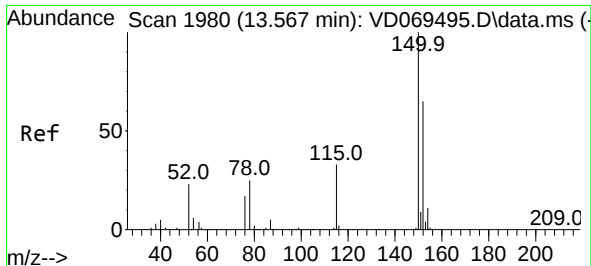
Tgt Ion: 95 Resp: 517240
Ion Ratio Lower Upper
95 100
174 72.2 0.0 148.0
176 68.4 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069611.D
Acq: 07 Jul 2021 16:33

Tgt Ion: 117 Resp: 1174552
Ion Ratio Lower Upper
117 100
82 57.3 46.8 70.2
119 30.9 26.2 39.2

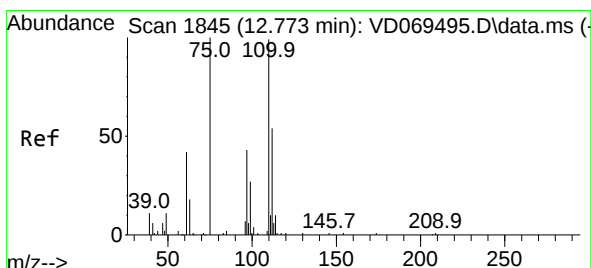
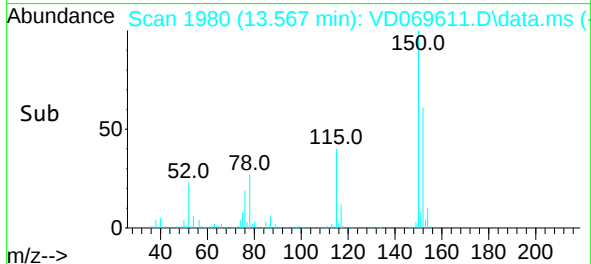
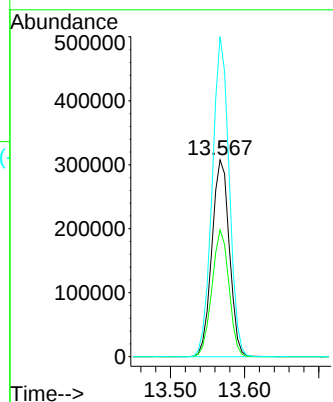
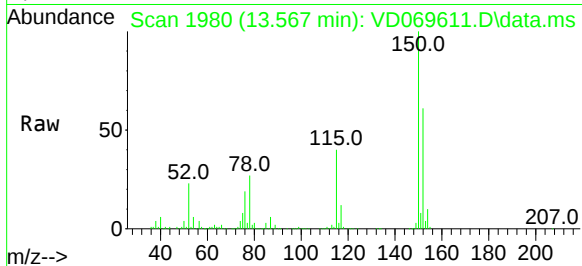




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069611.D
Acq: 07 Jul 2021 16:33

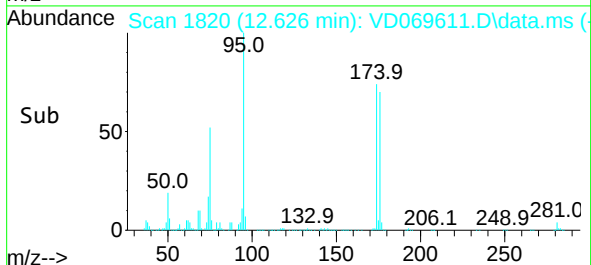
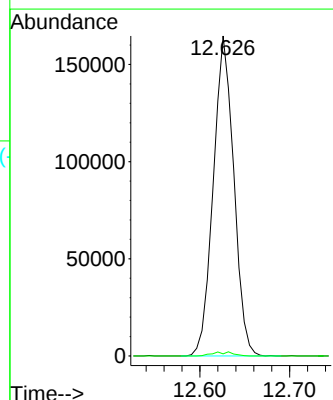
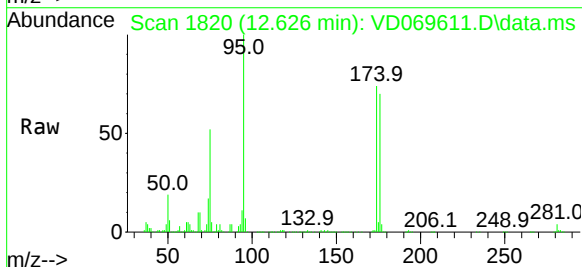
Instrument :
MSVOA_D
ClientSampled :

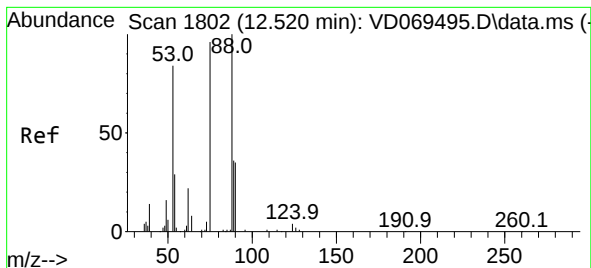
Tgt Ion:152 Resp: 503288
Ion Ratio Lower Upper
152 100
115 62.6 31.7 95.1
150 157.7 0.0 350.8



#76
1,2,3-Trichloropropane
Concen: 52.906 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069611.D
Acq: 07 Jul 2021 16:33

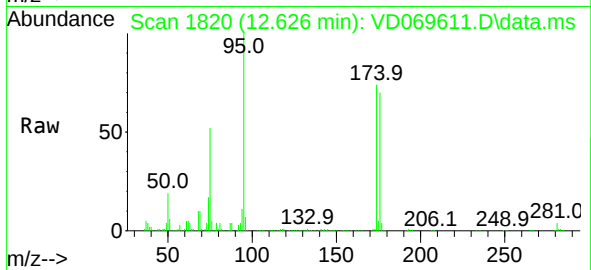
Tgt Ion: 75 Resp: 261378
Ion Ratio Lower Upper
75 100
77 1.3 162.6 487.8#



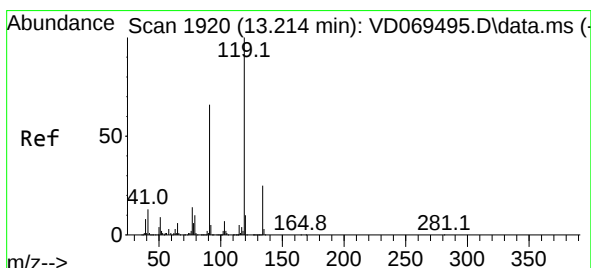
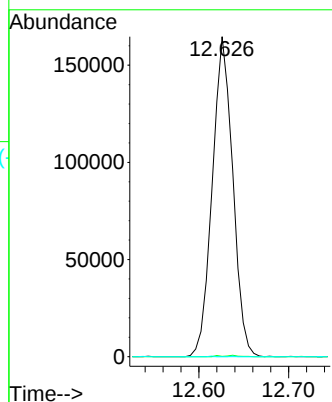
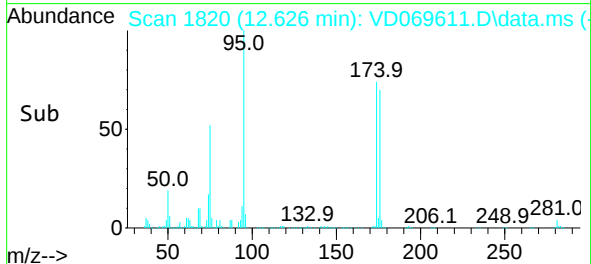


#81
trans-1,4-Dichloro-2-butene
Concen: 132.099 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069611.D
Acq: 07 Jul 2021 16:33

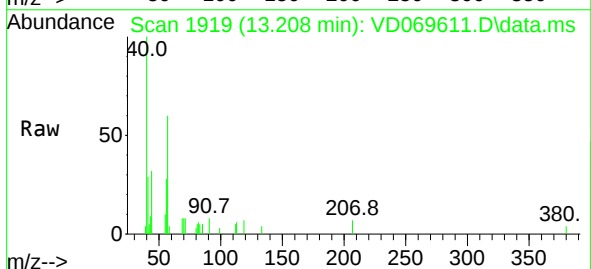
Instrument :
MSVOA_D
ClientSampleId :



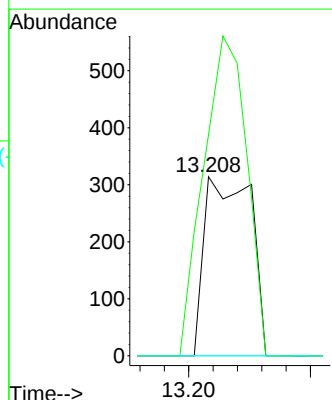
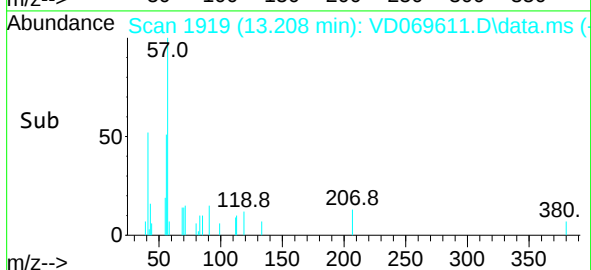
Tgt Ion: 75 Resp: 261378
Ion Ratio Lower Upper
75 100
53 0.3 74.6 112.0#
89 0.0 35.3 52.9#

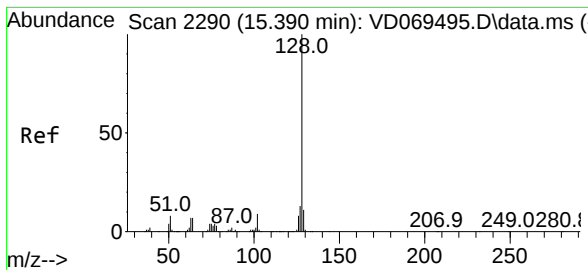


#83
tert-Butylbenzene
Concen: 2.007 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. -0.006 min
Lab File: VD069611.D
Acq: 07 Jul 2021 16:33



Tgt Ion: 119 Resp: 415
Ion Ratio Lower Upper
119 100
91 166.5 32.5 97.4#
134 0.0 12.9 38.7#





#95
Naphthalene
Concen: 3.408 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069611.D
Acq: 07 Jul 2021 16:33

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 903
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

